## ABSTRACT OF THE DISCLOSURE

## HOSE SEPARATION TRANSMITTER SYSTEM AND METHODS

A hose separation transmitter system includes a shock sensor and a transmitter that are secured to the delivery hose. If the hose becomes disconnected, the shock sensor will generate a shock signal when the hose falls to the ground and the transmitter will respond to the shock signal by generating an encoded RF signal. receiver at the vehicle receives the RF signal from the transmitter, determines that a hose disconnect has occurred, and automatically disables a fluid pump or closes a valve to stop the flow of fluid. The shock sensor preferably uses a strip of piezoelectric material. Related methods are also disclosed. For quick connect and disconnect, the shock sensor and transmitter are preferably secured to the hose by a hook and loop fabric The transmitter is immune to normal ambient vibration levels. Related methods are also disclosed.